## **Contents**

1	B. FALKENHAINER, K.D. FORBUS and D. GENTNER (Urbana, IL) The Structure-Mapping Engine: Algorithm and Examples
65	K.B. LASKEY (Reston, VA) and P.E. LEHNER (Fairfax, VA) Assumptions, Beliefs and Probabilities
79	R. GREINER (Toronto, Ont.), B.A. SMITH and R.W. WILKERSON (Rolla, MO) A Correction to the Algorithm in Reiter's Theory of Diagnosis (Research Note)
89	M.C. COOPER (Talence, France) An Optimal k-Consistency Algorithm (Research Note)
97	D. JOSLIN and J. ROACH (Blacksburg, VA) A Theoretical Analysis of Conjunctive-Goal Problems (Research Note)
107	BOOKS RECEIVED
	BOOK REVIEW SECTION
111	'The Psychology of Everyday Things, by D.A. Norman', reviewed by D.S. Weld
114	Erratum
115	ERRATA
117	ANNOUNCEMENTS
123	FORTHCOMING PAPERS
125	R. REITER (Toronto, Ont.) and A.K. MACKWORTH (Vancouver, BC) A Logical Framework for Depiction and Image Interpretation
	K F McCOV (Newark DF)

Generating Context-Sensitive Responses to Object-Related Misconceptions

- P.P. CHAKRABARTI, S. GHOSE, A. ACHARYA and S.C. de SARKAR (Kharagpur, India)
- 197 Heuristic Search in Restricted Memory (Research Note)
  - X. NIE and D.A. PLAISTED (Chapel Hill, NC)
- 223 Refinements to Depth-First Iterative-Deepening Search in Automatic Theorem Proving (Research Note)
  - D. de SCHREYE, M. BRUYNOOGHE and K. VERSCHAETSE (Heverlee, Belgium)
- 237 On the Existence of Nonterminating Queries for a Restricted Class of PROLOG-Clauses (Research Note)

## **BOOK REVIEW**

- 'Induction: Process of Inference, Learning and Discovery, by J.H. Holland, K.J. Holyoak, R.E. Nisbett and P.R. Thagard', reviewed by J. Shrager
- 253 ANNOUNCEMENT
- 255 FORTHCOMING PAPERS

## W. SHEN (Pittsburgh, PA)

- 257 Functional Transformations in Al Discovery Systems
  - R. DECHTER (Los Angeles, CA)
- 273 Enhancement Schemes for Constraint Processing Backjumping, Learning, and Cutset Decomposition
  - E. SACKS (Princeton, NJ)
- 313 Automatic Qualitative Analysis of Dynamic Systems Using Piecewise Linear Approximations
  - J. BELL (Colchester, England)
- 365 The Logic of Nonmonotonicity (Research Note)
- 375 ANNOUNCEMENTS
- 379 FORTHCOMING PAPERS
- 384 AUTHOR INDEX Volume 41, 1989/90
- 385 CONTENTS Volume 41, 1989/90

